

THE · TECH



VOL.
19.

NO.
14.

JAN. 4,
1900.

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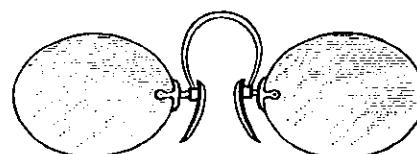
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THE TECH

VOL. XIX.

BOSTON, JANUARY 4, 1900.

NO. 14.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

STANLEY G. H. FITCH, 1900, *Editor in Chief*.

I. RAYNE ADAMS, 1902, *Assistant Editor in Chief*.

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OFFICE HOURS:

Editor in Chief, Monday, 12-1 P. M.
Business Manager, Saturday, 12-1 P. M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Subscription, \$2.00 per year, in advance. Single copies, 10 cts. each.

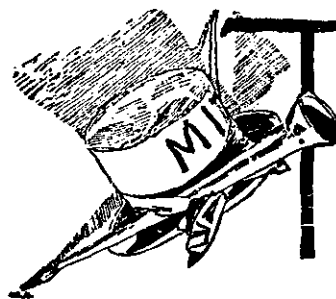
Entered in Post Office, Boston, Mass., as Second-Class Matter.

Press of Lounsbury Nichols & Worth Company.



It is to be regretted that the Senior Class has allowed to lapse one of the very few customs which bind our undergraduates to Alma Mater. Ever since the foundation of the Technology Club it has been customary for the Senior Class to gather at the club on New Year's Eve, and as twelve o'clock approached, to adjourn to Rogers Steps and welcome the new year with cheers for Technology and the class. A few of the men met at the club, but no general gathering was held and no cheering took place. Although a break has been made in the chain we hope that next year the custom will be revived and thus

secure to Tech. men one of the pleasantest memories of undergraduate life.



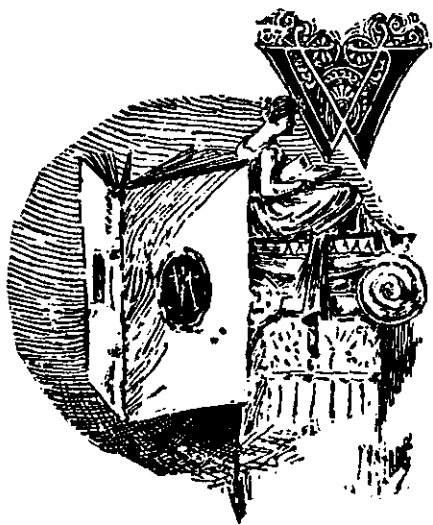
THE enthusiasm shown at the alumni dinner at the Exchange Club last Friday evening is but one of the indications pointing to the increasing interest being taken by the graduates in the welfare of Technology.

The progress made by the committee in charge of the Walker Memorial gymnasium is especially gratifying. Twenty thousand dollars for the first year's work in securing subscriptions is a good showing. Plans for the gymnasium are gradually taking shape and the sentiment is decidedly in favor of a building imposing in appearance and situated near the other buildings of the Institute. This will probably necessitate a tall structure on account of the extremely high price of land in the vicinity of Technology. It is safe to say that the gymnasium when completed will be an ideal one, and will embody the best features of all the large college gymnasiums.

The movement just started to form some connecting link between the various alumni associations throughout the country and the parent organization at Boston cannot fail to result in much good. We hope to see at the next annual banquet substantial proofs that this proposed organization has been carried into effect.

The remarks of Mr. Desmond Fitzgerald concerning the desirability of securing a more imposing site for Technology voiced the sentiment of a large number of Institute men. That an institution with such a reputation as

Technology should be located in the city proper, in a district which is yearly becoming more congested, and with the buildings more or less scattered, is not a condition of things with which well wishers of the Institute should be satisfied. And while it is not one of the near probabilities that any change in site will be made, it is nevertheless a possibility. Such a change will no doubt take place in the course of time, and it is with much satisfaction that we note the gradual growth of a sentiment favorable to the plan.



WHILE we are dwelling upon the subject of alumni support, as manifested at the annual banquet, we take pleasure in pointing to another field in which alumni have interested themselves.

We refer to the two articles that have recently appeared in our columns, one by Mr. Frank H. Briggs, '81, president of the Advisory Council on Athletics, and the other by Mr. C. S. Ward, '72, and now a prominent lawyer in this city.

Both articles point to the necessity of, and advantages accruing from systematic physical training. We are glad to see that this lack of physical work has become so forcibly impressed upon our alumni, for it certainly is the one point above all others which should be strengthened in Technology undergraduate life.

Mr. Ward's active interest in the welfare of the students is further made manifest in his generous offer of his professional services, gratis, to students who may need legal advice.

Samples of 1902 Class pipes may now be seen. Members of the class desiring pipes should leave orders at the "cage" addressed to Lockett, 1902.

The Alumni Dinner.

The annual business meeting and dinner of the Alumni of the Massachusetts Institute of Technology was held in Boston, on Friday, December 29, at the Exchange Club. Over one hundred graduates were present, and while the Boston Association was most largely represented, there were men from the M. I. T. societies in Chicago, New York and Washington.

At the afternoon meeting, the various committees made their annual reports. Dr. Gill, for the Executive Committee, reported a membership of 2,051, together with 49 associate members. There were ten deaths during the year. He also reviewed the work of the Association in connection with the Walker Memorial, the Technology Club, and the Technology Review. The committee submitted a resolution, which was unanimously adopted, calling for the appointment of a committee of seven to formulate a plan for the affiliation of the various M. I. T. societies in the different States with the main organization in Boston.

Professor Richards' report of the Wm. Barton Rogers Scholarship Fund was of exceptional interest. It showed that since 1891 \$4,377 has been expended in assisting students at the Institute, and that, omitting the present year, over 30 per cent has been paid back.

The Advisory Council on Athletics reported that the Football and Athletic Association were now able to meet all out-standing debts. The Exeter Street Gymnasium was declared inadequate, but no further expenditure on equipment was recommended.

The Committee on the School reviewed the progress made in the different courses, calling attention to several new options, and favoring an increase of laboratory facilities in Electricity, Physics, and Sanitary work. It announced that headquarters would be established this year in Paris, for Institute men visiting the Exposition. A new building for

the School of Mechanic Arts, in the vicinity of the present structure, was advocated.

Officers for the ensuing year were elected as follows:—

President, Edwin C. Miller, '79; Vice-President, Charles T. Main, '76; Secretary, Edward F. Miller, '86; Member of the Executive Committee (for two years), Howard C. Forbes, '91; Alumni Committee on the School (for three years), John B. Blood, '90; The Committee on Associate Membership (for three years), Edward A. Tucker, '95, Henry P. James, '99; Member of the Advisory Council on Athletics (for three years), John L. Batchelder, Jr., '90.

The company then adjourned to the dining hall. Before the commencement of the after-dinner speaking, President Miller called upon Dr. Tyler for the report of the Committee on the Walker Memorial Gymnasium. As the report is printed in another column, it is sufficient to note here that \$20,000 has already been subscribed.

President Crafts was received with great enthusiasm. As he went on to state the principal events of the year, he outlined the place Technology strives to hold in educational circles, and the relation of the student to his work. An interesting comparison of the Institute with West Point followed. The president also discussed informally some of the questions relating to undergraduate life, that President Hadley has emphasized so recently at Yale. In conclusion President Crafts made a strong plea for the value of a true university spirit in carrying out the work of the Institute.

In the absence of Governor Rollins, '81, of New Hampshire, Professor Emery, of Dartmouth, spoke of the high place the Institute holds among colleges, and of the relation between a Technology man and his Alma Mater. He declared that the time had come when the degree of B. S. was on an equal footing with that of B. A., and that the time was fast approaching when it would rank far

higher. His comparison of the study required at Technology from a student showed that the average college man spent less than one-half the time in work that the Tech. man does.

The last speaker was Mr. Desmond Fitzgerald, President of the American Society of Civil Engineers, and member of the Corporation. While presumably describing the great drainage canal in Chicago Mr. Fitzgerald took the opportunity to advocate a change of site for the Institute. He urged that it would require no greater courage to take so radical a step than it did a few years ago to borrow \$350,000 for the Engineering Building. In many ways this year's meeting was of more than usual interest, and it showed above all else the deep interest that is taken by our Alumni, the Corporation, and other colleges in Technology.

Walker Memorial Gymnasium.

The following is an abstract of the report submitted by Dr. H. W. Tyler, chairman of the Walker Memorial Gymnasium Committee, at the Alumni Banquet. The complete report will be found in the current number of the *Technology Review*.

Mr. President, Ladies and Gentlemen:—The Walker Memorial Gymnasium Committee appointed last year submits its first report of progress. The Committee would be glad if the progress made had been greater, but in its judgment enough has been accomplished to justify some degree of satisfaction in the past and confidence as to the future.

The nomination of the committee was far from simple on account of the importance of representing a constituency of so wide a range, and the limited leisure of the members likely to be most efficient.

The main principles finally adopted by the Committee for its canvass were briefly—

- (1) to reach, if possible, every former student of the Institute.
- (2) to make special efforts to secure early subscriptions of \$500 or \$1,000.
- (3) to enlist the co-operation of class and local society representatives in such a way as to lighten

the individual burden of labor, and to give the appeal a personal quality.

(4) to enlist the interest of Corporation, Faculty, and undergraduates as well as of Alumni.

The results of the Committee's efforts may be summarized as follows: —

The Corporation, through its Executive Committee, and the Faculty have appointed committees for conference with our own.

It has been difficult to obtain large subscriptions at the outset, but aided by the generous example of certain members of our committee, we have secured eight subscriptions of \$500 or \$1,000 besides the \$600 due to the very successful work of the Walker Club of undergraduates in producing the English play in Junior Week.

Our efforts to secure co-operation have borne good fruit. Nearly every graduate class has been represented by an associate member of our committee.

We have received from 238 persons subscriptions amounting to \$20,860.10. Classified by amounts we have received—8 of \$500 or over; 17 of from \$200 to \$500; 43 of from 100 to \$200; 170 of less than \$100. Many of our subscribers have preferred not to state the amounts they expect to pay in future years, but have assured us that much more will be given. It is fortunate that all classes are represented except '99, which had not graduated when our work began.

The notably efficient work done in the classes of '68, '78 '85 and '93, among others, should not be overlooked.

After careful consideration of a plan for an athletic field at a considerable distance from the Institute, it was voted not to recommend its purchase. The more fully the question of location has been discussed, the more complete has become the conviction of the committee that the Memorial Gymnasium should be in close proximity to the Institute buildings, and that for such proximity ground-area can to some extent be sacrificed.

A preliminary study of the gymnasiums of other colleges has been initiated by correspondence. The results of our inquiries indicate that whenever our plans have been carried out, the Institute will suffer by comparison in this direction with few, if any, other colleges in the country.

In the report of last year which led to the appointment of this committee, an attempt was made to pre-

sent the general considerations which should lead Institute men to co-operate in this great and honorable undertaking. May we ask your further attention to some of these matters in the light of the experience we have gained during the year. The points to be emphasized may, for the sake of definiteness be formulated as follows:

(1) We entertain no doubt that our general plan is entirely practicable; that \$100,000 is not too much to be asked from Institute men, that it is not too little to insure the fulfilment of our expressed purpose, the erection and equipment of a memorial gymnasium.

(2) We are convinced that, while many details must await future determination, the proposed material is the best possible.

(3) We believe that the obligation to co-operate in this undertaking is one which all Institute men owe not less to themselves than to the Institute and to the memory of President Walker.

1. As to the capacity of Institute men to contribute \$100,000, it seems to us that if the question needs answering at all, a negative answer would be absurd. There are more than two thousand living graduates. There are at least as many, and probably more, non-graduates who, from their length of connection with the Institute, and their degree of interest, may as fairly be reckoned among our constituents. If these four thousand, making every allowance for individual inability and age, are not able to contribute on an average five dollars a year for five years, then the professional success of Institute men is not what it is well known to be by all of us, and by the public at large. To fail to do this would discredit us.

The question of the adequacy of \$100,000, if secured, to the concrete undertaking in question is, we admit, one of real difficulty. The value of land within easy access is very high and is continually rising; the gymnasium must be within easy access in order to meet the needs of the largest number of students, and in order to constitute a fitting memorial. It must be clear, however, that the present state of affairs, with a low building covering a large area upon leased land of high value, cannot be of long duration; that whenever a change has to be made, the corporation will be forced to meet the question of location and high price of land; that the natural solution would be either to use relatively cheap land, such as that on Garison Street, or to use one or

more floors of a high building, perhaps in the vicinity of our present Trinity Place buildings, or to build a high gymnasium with a small ground area. Any one of these plans would involve a large outlay which cannot be avoided without conflict with the present accepted views in regard to the physical interests of the students.

It is, in our judgment, this situation of the Institute which offers an altogether exceptional opportunity to its alumni. The \$100,000 which we have to secure is of course not adequate for land, building and maintenance of any gymnasium worthy of the Institute or of being called a memorial to President Walker. But \$100,000 may be immensely helpful to the Corporation of the Institute in the erection of a new building and may turn the scale between a building limited by the temporary financial capacity of the Institute treasury and a far better gymnasium such as would satisfy Corporation, alumni and undergraduates.

It may be opportune to speak a little more generally of the relations which ought to subsist between the Corporation and the alumni. The Institute owes its existence and its great success, as we know, to the farsightedness, energy and liberality of a comparatively small number of men. Its continued progress after these men are gone—and how many of them are gone already—must depend and ought to depend in large measure upon the loyalty of its graduates. The alumni of the Institute have a high responsibility toward the future of education in this country. They should strive to value that responsibility as they value their own education; as they value the higher things of life. Already many of the alumni are carrying the burden of service as members of the Faculty and as time passes more and more will become members of the Corporation. But the alumni cannot expect the recognition that they ought to have by the Corporation without showing the evidence they ought to show of substantial interest in its welfare and progress. We have never yet had such an opportunity to show that we are worthy of our responsibilities for the future. We must not fail to meet it.

2. The Committee has not to determine the form of the memorial, not to build a gymnasium, not to buy land, but to secure funds from Institute men who are interested in the form of the memorial already

adopted and who have sufficient confidence in the future judgment of the Alumni Association and Institute Corporation to believe in the wise disposition of the funds contributed.

3. Above all stands the memorial element in our undertaking. The Institute had the great good fortune to have President Walker at its head during the best years of his life. The great majority of us knew him personally and are by that fact broader and better. The enrichment of student life by a good gymnasium with opportunities for other proper social purposes is one of the things in which he would have taken the warmest interest. Shall we not see that his ideals and his name thus live?

He gives twice who gives quickly. Some wait for others being doubtful as to the scale of contributions. If all hesitated, our work would be paralyzed. We owe much to the generous faith of a few who have been willing to lead the way. We appeal now to every man in every class not to let a few bear the burden longer, but to do his share whether large or small.

Interesting and difficult questions can hardly be separated from the subscription work with which we are charged. These relate mainly to the location and the character of the gymnasium. As to both we must repeat that authority rests wholly in the government of the Institute. We believe that the gymnasium should be very near the other buildings, that it should be of simple but dignified architecture, that it should be planned for future and not merely for present needs, that it should be not only a place for physical exercise, but should by means of reading rooms, society-rooms, offices, etc., concentrate a wide range of student interests. For the present we desire to mark the position we have reached by presenting for your action the following votes, stated in substance in the call for this meeting:

VOTED.—That the Walker Memorial Gymnasium Committee be authorized to confer with the Corporation of the Institute, in behalf of the Association, in regard to the purchase of suitable land for the gymnasium.

VOTED.—That it is the sense of the Association that the Walker Memorial Gymnasium should include if possible provision for other social objects, with a view to the promotion among the students generally, of a closer attachment for each other and for the Institute.

Provisional Schedule of Semi-Annual Examinations, 1900.

Subject to correction by Official Schedule and by Bulletin

Exercises will be suspended for the first year on and after Monday, January 22; for the second year on and after Friday, January 19; for the third and fourth years on and after Monday, January 15.

Entrance Conditions are to be made up at this time.

Special Examinations. Conflicts. All special examinations granted by the Faculty, and all examinations postponed from September, are to be taken at this time, unless otherwise specifically authorized. Students desiring such examinations (not on this schedule) and those having two examinations on the same day should hand in *complete schedules* checked for *all* their examinations *not later than January 11*. New assignments will be sent by mail to such students on Saturday, January 13. None can be arranged later.

Reports will be mailed February 3 to students of age and to the parents of others. None can be given out verbally. Requests for duplicates will be received until January 17.

* For students granted special examinations.

H. W. TYLER, *Secretary*.

Tuesday, Jan. 16.

YEAR.	SUBJECT.	TIME.	
		A. M.	P. M.
4.	Electrical Eng.	9.00	
4.	Micros. Anatomy		1.30
4.	Hydraulics, I, XI.	9.00	
3.	Physics, Heat	9.00	

Wednesday, Jan. 17.

4.	Structures	9.00	
4.	History of Induct. Sci.		1.30
4.	Photometry	9.00	
4.	Intern. Law		1.30
4.	Metallurgy, 64 and 65	9.00	
3, 4.	Political Economy		1.30

Thursday, Jan. 18.

4.	Applied Mechanics	9.00	
4.	Comp. Physiology	9.00	
4.	Energetics	9.00	
4.	Steam Eng. I.	9.00	
3, 4.	Geol. Hist.	9.00	
3.	English Literature	9.00	
2.	Physical Meas.*	9.00	

Friday, Jan. 19.

YEAR.	SUBJECT.	TIME.	
		A. M.	P. M.
4.	Dyn. Testing	9.00	
4.	Metallurgy of Iron		1.30
4.	Theoret. Biol.	9.00	
3.	Applied Mechanics	9.00	
1.	Mech. Drawing*		1.30

Saturday, Jan. 20.

4.	Elect. Meas. Inst.	9.00	
4.	Oil and Gas Analysis		1.30
4.	Org. Anal., Org. Prep.	9.00	
4.	Physiol. and Hygiene	9.00	
3.	Diff. Equa. VI., VIII.		1.30
3.	Industrial Chemistry	9.00	
3.	Mining Engineering	9.00	
2.	Int. Calc.*		1.30
2.	Physics.	9.00	

Monday, Jan. 22.

4.	Const. Design	9.00	
4.	Anal. Mechanics	9.00	
4.	Hydraulics II., VI., X., XIII.	9.00	
4.	Indust. Biology	9.00	
4.	Proximate Analysis		1.30
4.	San. and Hyd. Eng.	9.00	
4.	Struct. Design	9.00	
3, 4.	Quant. Anal.	9.00	
3.	Arch. History	9.00	
3.	Quaternions	9.00	
3.	Valve Gears	9.00	
3.	European History		1.30

Tuesday, Jan. 23.

4.	Climatol		1.30
4.	Periodic Currents	9.00	
3, 4.	Indus. Elect. Telegraph	9.00	
3.	Anthropology		1.30
3.	R. R. Engineering	9.00	
2, 3.	English Literature	9.00	
1.	Military Science		1.30

Wednesday, Jan. 24.

4.	Mining Engineering	9.00	
4.	Bridge Design	9.00	
4.	Steam Eng. II., VI., X., XIII.	9.00	
3, 4.	European Civ. and Art	9.00	
3.	Dyn. Elect. Meas.	9.00	
3.	Spec. and Work Draw.	9.00	
3.	Sugar Analysis		1.30
3.	Surveying	9.00	
2, 3.	Organic Chemistry	9.00	
2.	Blowpipe Anal.	9.00	
2.	Design	9.00	
2.	Mechanism*		1.30
2.	Microscopy	9.00	
1.	Trigonom.*		1.30
Ent.	Solid Geometry	9.00	

Thursday, Jan. 25.

4.	Hist. of Construction.	(no time given.)	
4.	Elect. Testing		9.00
4.	Machine Design		9.00
4.	Org. Chemistry		9.00
3.	Diff. Equa. II., X., XIII.		9.00
3.	Theoret. Electricity		9.00
2, 3.	Qual. Anal.		9.00
2.	English History		1.30
1.	Desc. Geometry*		9.00
1.	Algebra		9.00

Friday, Jan. 26.

4.	Bacteriol		1.30
4.	Least Squares		1.30
4.	Naval Architecture		9.00
4.	R. R. Engineering		9.00
4.	Textile Coloring		9.00
3, 4.	Financial History		1.30
3.	Comparative Anatomy		9.00
3.	Geology (Struct.)		1.30
3.	Theory of Equations		9.00
3.	Thermo-dynamics		9.00
2.	Acoustics		9.00
2.	Economic Problems		1.30
2.	Materials		1.30
Ent.	Algebra		9.00
Ent.	English		11.00
2*Ent.	French		2.00

Saturday, Jan. 27.

4.	Air Analysis		9.00
4.	Fourier's Series		9.00
4.	R. R. Manage.		9.00
3, 4.	Theoret. Chem.		9.00
3.	Assaying		9.00
3.	Naval Architecture		9.00
3.	Sanitary Chemistry		9.00
2, 3.	Gen. Biology		9.00
2.	Determinants		1.30
2.	Physics*		9.00
2.	Shades and Shadows		9.00
1.	Anal. Geometry*		1.30
1.	U. S. History*		9.00
Ent.	Plane Geometry		9.00
Ent.	History		11.00
Ent.	German		2.00

Hockey Team Schedule.

January 6, Harvard, at Cambridge.
 January 8, Newtowne, at Spy Pond.
 January 10, Harvard, at Cambridge.
 January 13, Brown, at Providence.
 January 15, Andover, at Andover.
 February 7, Harvard, at Cambridge.
 February 10, Brown, at Providence.

Resignation of President Crafts.

The following announcement of the resignation of President Crafts will be received with surprise and regret by everyone interested in the Institute.

To the Executive Committee of the Massachusetts Institute of Technology:

GENTLEMEN: I wish to communicate to you my desire to resign the office of President at the expiration of the school year of 1899-1900, and I write at present in order that you may have due opportunity to consider the choice of a successor.

My reasons for taking this step at this time are founded upon my desire to return to purely scientific occupations. My term in office has shown me the wide field of educational problems, both within and outside the Institute, which should be studied, and I have found that such studies and the performance of administrative duties, although not in themselves burdensome, leave little freedom for the pursuit of experimental science. A choice must be made between administrative and scientific occupations, and it is the latter which I wish to choose.

The office with which you have honored me, perhaps in consequence of my long connection with, and interest in the school, has brought me into more intimate relations with the government of this great Institute, with its instructing staff, and with many of its students, and I look with great pleasure to these few years of educational work, and particularly to my participation in the deliberations of the Executive Committee, which have led to close and friendly relations with its members.

All these ties are severed with great reluctance to return to a field which aroused my early enthusiasm and which still claims my most active interest.

Yours respectfully,

J. M. CRAFTS.

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

TO THE EDITORS OF THE TECH—

The football season ended more than a month ago and the time when the manager and treasurer of the Football Association make their annual reports, is rapidly drawing near. It is therefore necessary that all money subscribed be sent in immediately, so that

these officers can pay the outstanding bills and close their accounts.

About three weeks ago notices were sent to the collectors and men still owing subscriptions to the Association, but very few out of a hundred and fifty have so far paid any attention to them, and so with the hope that a word in THE TECH will have a better result, I wish to publish a few facts concerning the liabilities of the Association. If all the men who still owe their subscriptions pay these, the Association will still be one hundred dollars in debt. This debt MUST be met by the students of Technology. We cannot expect the graduates to come to our aid every year. If every Tech. man would give only ten cents, the debt could easily be paid, and a balance of thirty dollars would be left for next year's team to begin with. Therefore a box with an appropriate notice will be placed at the cage, during the remaining days of this week and all of next week and it is to hoped, that every student at Tech has enough college spirit and love for his Alma Mater to give at least ten cents to help defray the debt of the football team. Everyone at Technology can afford ten cents, and we hope those who can give more will do so willingly.

Very truly yours,

PAUL GERHARD L. HILKEN.
Sec'y and Treas. M. I. T. F. B. A.

'98 Dinner.

The second graduate dinner of the Class of '98 was held at the Vendome, last Saturday evening, with twenty-five members present. At the business meeting, it was voted that a committee of three should be appointed by the secretary to arrange for two or three informal meetings at the club during the coming year. The plan of using a class directory next year was endorsed, subject to the condition of the treasury. Forty dollars was appropriated for the Association of Class Secretaries. The meeting closed with a discussion of the Walker Memorial Gymnasium Fund and the election of the following Dinner Committee for 1900: F. E. Coombs, I. H. Kaufman, W. E. Putnam, Jr., A. H. Tucker, C. E. A. Winslow. The dinner was wholly informal, and there were no toasts or other set speeches.

Technology Theatricals.

Tech. men will be glad to learn that another theatrical enterprise, along the same lines as

last year's Minstrel Show, has been undertaken. It has been practically decided to produce an original comic opera, "The Medicine Man," which has never before been staged. The cast affords a fine opportunity for the display of individual talent, as well as embracing a large chorus and a ballet. Rehearsals are to begin with the opening of the second term, of which further notice will be given. It is the present intention to produce the opera some time before Junior Week, which, while not interfering in any way with the festivities of Tech.'s gala week, will avoid bringing the play so near the final examinations as was the Minstrel Show last June. The parts are to be assigned by a professional coach, and everybody should be on hand when the official call is made.

Tour of the Musical Clubs.

Last week witnessed the longest trip of the musical clubs this season, and with one exception, that of the Portland tour, in April, 1898, the most extended in the history of the clubs. Tuesday, Dec. 26, a special car was attached to the 3 P. M. train for Lowell, and on arriving there the men were entertained by the young people of Lowell at their homes.

The concert in the Y. M. C. A. hall was excellent, the program being substantially the same as that which met with so much success at the home concert. The Dartmouth Clubs happened to be billed in Lowell the same night and were invited to bring their entire personnel and audience to the dance which followed.

Wednesday morning the clubs returned to Boston, and on arrival there many of the men took the next train to Salem and spent a very enjoyable day followed by a dance that evening with the hostesses of last year's concert and dance. Thursday the club members reported in Gloucester. The concert that evening in "High School Hall" was a tremendous success, the local hits in the topical song of

C. V. Merrick simply convulsing the audience. At the close of the concert about one hundred of the young people adjourned to the ball-room of the Surfside Hotel and danced until the small hours. All were unanimous in declaring the entire trip a success beyond measure.

The Relay Team.

At the meet of the Boston Athletic Association to be held in Mechanics Building on Feb. 3, 1900, our relay team is entered for the first race of the year. The race will be with Bowdoin, who, it will be remembered, holds the championship of the N. E. I. A. A., won at Worcester last spring.

Manager Graham offered to the M. I. T. relay team the choice of running either Wesleyan or Bowdoin, and the latter opponent was chosen. Among Bowdoin's men is Cloudman, who has covered 100 yards in $9\frac{4}{5}$ seconds, thus tying Wefers and Duffy for the world's record. Arrangements are also being made to provide for relay races with Brown and Dartmouth.

As the race with Bowdoin comes almost immediately after two weeks of exams., it will be all the more creditable for us if we win. The prospects for a successful relay team are, however, very bright, with all of last winter's team back, and several new aspirants for a place on the team. Rowe and Pember are among the most promising of the new men who will try to make the team. M. W. Hall has been re-elected captain.

The hockey team is now nearly made up and practices regularly. Following is the list of those trying for the various positions:—

Forwards—Smith, '02, Field, '02, Trenholme, '01, Gardiner, '02, Walworth, '00, Eveland, '01, Currier, '03, Magnitzky, '03, Williams, '03, Carr, '01.

Cover Point—Wesson, '01, Borden, '02, Hyde, '01, Kingman, '00.

Point—Baldwin, '00, Burr, '03.

Goal—Howe, '00.



'90. Mr. Chas. F. Koch was married on October 31st to Miss Jennie Achert, and the happy pair are receiving felicitations at their new home, the "Pilton," on West McMillan Street, Cincinnati, O.

'96. Mr. Charles S. Newhall, III., is just back from Canada, where he has been engaged in washing gold ores. He expects to go back to the scene of his labors very soon again.

'98. J. H. House, IV., and H. C. Ingalls, IV., sailed from New York on Saturday, December 2, on the Holland-American Line. They will spend two years in architectural work at *L'Ecole de Beaux Arts*.

'98. Mr. G. W. Treat, I., visited the Institute last week. He is in the banking business in New York, with the firm of Lampracht & Co.

'99. Mr. Holliday, I., is at present in Pittsburgh, in the employ of the Penn R. R. Co.


Calendar.

Friday, Jan. 5.—4 P. M. Special Technique Board Meeting. Trophy Room.

Thursday, Jan. 11.—4 P. M. Institute Committee. Trophy Room.

Monday, Jan. 8.—1 P. M. Board of Editors, TECH Office. Annual Meeting.

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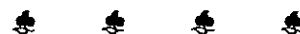
387 WASHINGTON ST., BOSTON.



In this number of *THE TECH*, the first which is to bear a 1900 date, *THE LOUNGER* feels the propriety of making a few kindly suggestions—ventured in a spirit of true disinterested interest—in hopes of an improvement in conduct which will be likely to conduce to a more harmonious and pleasurable existence of things Technical during the coming year. First, to his Editor; he would suggest that the shears be given a brief interval of much-needed rest, and that the blue pencil be employed exclusively in the correcting of typographical errors in the first proof of this page. Then, to his protégés, the Freshmen, he would suggest that they continue to realize that they are still only Freshmen, and that Military Science is given for the full year, with a final examination at the end. To the Sophs, *THE LOUNGER* would suggest that now is a good time to begin to draft resolutions in regard to taking Physics next year, and that “Chapel” is an essentially *third* year course. To the Juniors, *THE LOUNGER* would suggest that frequently repeated visits to the Secretary are likely to result as disastrously as would an equal number to the chapel, and that all such stimulants be therefore carefully avoided in the future. To the Seniors, *THE LOUNGER* would suggest that they apply their recent financial bonanza to the purchase of sundry receipted bills, and that future investments of these finances be made exclusively in bills of that character. To the Alumni, *THE LOUNGER* would suggest that all Alumni dinner extravagance be avoided, and that subscriptions to *THE TECH* are still to be obtained at a reduced cost per dozen. Also, he would suggest that no more graduates flop over to Christian Science until the first day of next April, and that as a general rule the gold brick business is more remunerative and better adapted to the intellectual qualities of patients in this particular mental condition.

A few words to the instructing and administrative staffs, may not be amiss. In view of the coming Semies, *THE LOUNGER* would “suggest” the primary mass of the letter F to a certain Free Hand instructor in alphabet memorizing. To the Secretary he would recall the fact that it would be to the eternal fame of Technology if he should be given the diploma for which he has so patiently waited, and in closing

he would suggest his willingness to accept this document without waiting for the customary formality of the Semi-annual and Final Examinations.



It was a memorable sight. Although the act dates back to a day previous even to the recent intermission, yet the memory of that occasion keeps it still glowing as at first in *THE LOUNGER*'s thoughts. The scene was a recitation in Hydraulics; the time, the Saturday before Christmas. The Hero this time was a most dignified Senior of Course I, and the scene was daintily enlivened with a variety of heads and bodies of several supernumerary Seniors who formed the background for the impressive tableau. At the rise of the curtain the class was seen just coming to order; the Chief High Draulic was about to burst open the exercises when a hasty tread was heard without. The door flew open, a messenger boy entered, and with him appeared a bundle addressed to the dignified Course Oner, the winner. Then, just as quietly and easily as if it had all been arranged beforehand, the package was taken by the chairman of a committee of one from the class, and with a few well-chosen words—some coherent—and a few felicitously selected pauses, was presented with due solemnity to the individual for whom it was intended. Intermittent applause enlivened the interval and fringed the edges of the gap of time that occurred while the Course Winner was undoing his gift. Meanwhile, the Chief High Draulic had become excited, had forgotten himself, and was smilingly watching operations from a good position in the front row. Slowly the wrappers began to unwrap. As layer followed layer the bundle began to assume definite shape. Suddenly something occurred; with a shake and a rustle the lower portion of the eclipsing paper cover quickly came off, and there appeared right before the eyes of the enraptured multitude, two diminutive feet properly enshrouded in as many diminutive stockings and carefully terminating in a couple of equally diminutive shoes. Plainly, something was afoot. The Course Winner gasped, while the spectators indulged in a little concaclinatory applause. Still the action of the play continued; another paper fell, then another, and finally dropped the inside layer of all, in an transparent tissue mantle. Everything was gone but the present, which lay in the bewildered possessor's arms, open and clear, enhaloed with a circle of surrounding smiles, and looking as intelligent as its owner. There, surrounded by a score of brother classmen, and gazed upon by his devoted instructor, the Winner looked long and earnestly at the pretty doll he was holding, “then smiling sighed,” and freely gave it up. It was one on him. And after the recitation they adjourned to the Chapel where a secondary course in Hydraulics was indulged in, and it was, still, one on him.

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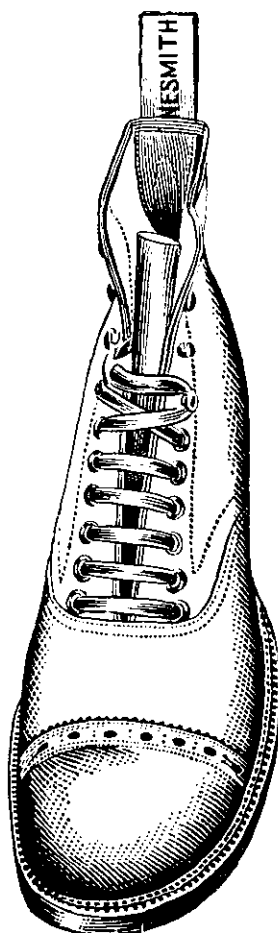
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Week Commencing January 8, 1900.

Hollis Street Theatre.—Mrs. Carter's "Zaza" is truly a wonderful performance. The strongest scene is perhaps the final one in the fourth act, in which she denounces and parts from her lover. Nothing truer to real life could be produced than her dressing room scene in the first act. "Zaza" is a distinctly dramatic triumph.

Boston Museum.—The Rogers Brothers are surely creating a great surprise in their new play "In Wall Street." This play is a kind of vaudeville which contains every sort of thing which is worth putting in a play. There is no wonder, by those who see it that it proved to be such a success in its long season in New York.



Tremont Theatre.—Mrs. Fiske's impersonation of the title role as seen at the Tremont Theatre is worthy of all the praise that has been showered upon her. The play is without question the best dramatization of Thackeray's "Vanity Fair" that has been written. No person should miss seeing this if he get the chance.



Castle Square Theatre.— "With Flying Colors" seems to be as great a success in this country as it was when played in London. This play is very different from the usual run of plays that have been seen here lately. There is fine scenic effects in the representation of the H. M. S. *Defiance*. Upon the deck a naval ball is given which also adds to the scene.

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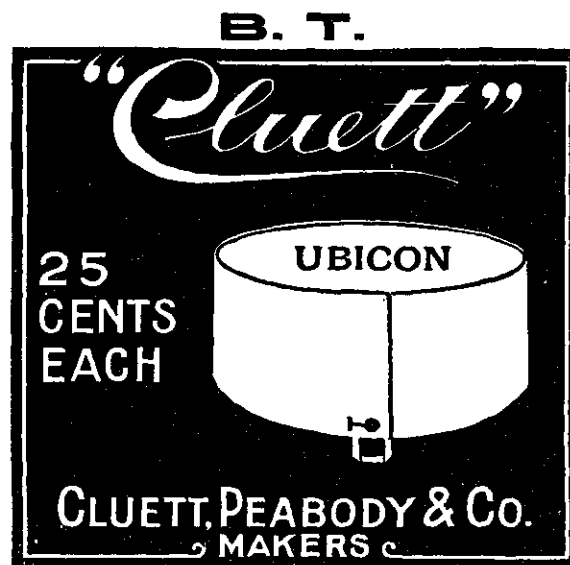


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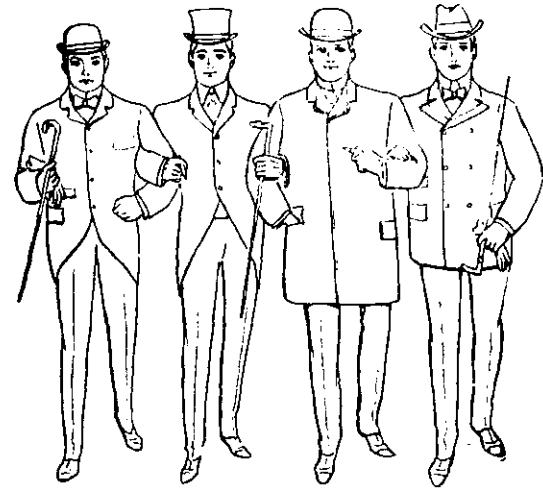


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